

FIG. 1A

Gene #	Intensity in EB 1		PM > MM in EB 1		PM > MM in EB		Induced Ratio		EST #	Accession #	EST?	SAGE?
	Intensity in EB 1	Intensity in EB	PM > MM in EB 1	PM > MM in EB	Ratio	EST #	EST #	Accession #				
1	1450	-36.7	0.85	0.35	Hsa.140.	M87789 gene 1	✓	□				
2	1450	107	1	0.7	14	Hsa.1534	□	□				
3	1220	-30.9	0.95	0.45	Hsa.20518	R85690 3' UTR 2a	✓	□				
4	1070	86.4	1	0.7	12	Hsa.8219	R46753 3' UTR 2a	✓	□			
5	1010	155	0.95	0.7	6	Hsa.2820	Z31695 gene 1	□	□			
6	1010	53.4	1	0.67	19	Hsa.41163	U06088 gene 1	□	□			
7	864	46.4	1	0.81	19	Hsa.2836	R71870 3' UTR 1	✓	□			
8	862	148	0.9	0.9	6	Hsa.2551	X57348 gene 1	□	□			
9	788	137	0.85	0.7	6	Hsa.41123	J00277 gene 1	✓	□			
10	714	139	1	0.95	5	Hsa.13765	X55740 gene 1	□	□			
11	695	-4.82	1	0.62	Hsa.224	U03106 gene 1	✓	□				
12	645	98.6	0.9	0.8	7	Hsa.8966	X80200 gene 1	□	□			
13	599	-3.31	1	0.42	Hsa.224	U03106 gene 1	✓	□				
14	582	45.8	0.85	0.55	13	Hsa.1556	L13738 gene 1	□	□			
15	572	10.5	0.85	0.6	54	Hsa.9103	T67406 3' UTR 2a	✓	□			
16	569	46.4	0.95	0.52	12	Hsa.3081	H20434 3' UTR 1	□	□			
17	538	-99.1	0.93	0.47	Hsa.936	Z20656 gene 1	□	□				
18	515	25.5	0.95	0.5	20	Hsa.866	M21389 gene 1	✓	□			
19	480	48.1	0.95	0.85	10	Hsa.36025	H28050 3' UTR 2a	✓	□			
20	473	31.7	0.9	0.7	15	Hsa.1464	M35878 gene 1	□	□			
21	463	6.03	0.9	0.4	Hsa.1971	T51913 3' UTR 1	✓	□				
22	445	-9.41	0.94	0.47	Hsa.3011	X633380 gene 1	□	□				

TO FIG. 1B

FIG. 1B

TO FIG. 1A

23	437	-6.03	0.9	0.5	Hsa.21756	R94967 3'UTR 2a	✓	□	□
24	385	32.8	0.95	0.55	12 Hsa.1069	T41265 3' UTR 1	□	□	□
25	383	61.2	0.8	0.65	6 Hsa.32222	R69448 3' UTR 2a	✓	□	□
26	383	21.9	1	0.75	17 Hsa.2611	R59199 3' UTR 1	✓	□	□
27	376	10.5	0.94	0.59	36 Hsa.620	M27138 gene 1	□	□	□
28	364	61.1	0.9	0.6	6 Hsa.401	X82166 gene 1	□	□	□
29	353	-34.4	0.85	0.5	Hsa.936	Z20656 gene 1	□	□	□
30	341	-42.5	0.95	0.48	Hsa.3064	X05615 gene 1	□	□	□
31	331	21.1	0.81	0.52	16 Hsa.243	U01147 gene 1	□	□	□
32	329	54	1	0.94	6 Hsa.1432	M64347 gene 1	□	□	□
33	313	55.6	0.95	0.8	6 Hsa.32445	R71505 3' UTR 2a	✓	□	□
34	293	13.3	0.9	0.55	22 Hsa.3348	X15880 gene 1	□	□	□
35	291	18.7	0.9	0.7	16 Hsa.2000	L16242 gene 1	□	□	□
36	288	-18.3	0.9	0.45	Hsa.8468	H19201 3' UTR 2a	✓	□	□
37	287	17	0.9	0.62	17 Hsa.169	U02388 gene 1	□	□	□
38	276	40.7	1	0.78	7 Hsa.41094	L18920 gene 1	□	□	□
39	275	37.4	0.9	0.9	7 Hsa.2054	X70340 gene 1	□	□	□
40	269	38.1	0.95	0.8	7 Hsa.21901	R49565 3' UTR 1	□	□	□
41	252	-30.5	0.76	0.48	Hsa.1876	X54156 gene 1	□	□	□
42	250	48.2	0.9	0.55	5 Hsa.2827	Z11502 gene 1	□	□	□
43	247	25.5	1	0.69	10 Hsa.2835	X07696 gene 1	✓	□	□

FIG. 1C

	Gene Description	Induced
IG GAMMA-1 CHAIN C REGION (HUMAN);		
Human Ig gamma3 heavy chain disease OMM protein mRNA.		
274912 MYELIN TRANSCRIPTION FACTOR 1 (Homo sapiens)		
152524 CYCLIN-DEPENDENT KINASE INHIBITOR 1 (Homo sapiens)		
H.sapiens mRNA for 43 kDa inositol polyphosphate 5-phosphatase.		
Human N-acetylgalactosamine 6-sulphatase (GALNS) gene, exon 14.		
155730 KERATIN, TYPE I CYTOSKELETAL 17 (HUMAN);.		
H.sapiens mRNA (clone 9112), kinase related protein.		
c-H-ras1 proto-oncogene, complete coding sequence, Human (genomic clones lambda-[SK2-T2, HS578T]; cDNA clones RS-[3,4, 6]).		
Human placental cDNA coding for 5'nucleotidase (EC 3.1.3.5).		
Human wild-type p53 activated fragment-1 (WAF-1) mRNA, complete cds.		
H.sapiens MLN62 mRNA.		
Human wild-type p53 activated fragment-1 (WAF1) mRNA, complete cds.		
Human activated p21cdcc42Hs kinase (ack) mRNA, complete cds.		
811780 COMPLEMENT C4 PRECURSOR (Homo sapiens)		
172486 clone, mRNA for tuberin, or TSC2 gene.		
Homo sapiens of cardiac alpha-myosin heavy chain gene.		
KERATIN, TYPE II CYTOSKELETAL 5 (HUMAN); contains MSR1 repetitive element ;.		
182000 FK506-BINDING PROTEIN PRECURSOR (Mus musculus)		
Human insulin-like growth factor-binding protein-3 gene, complete cds, clone HL1006d.		
72466 ALPHA CRYSTALLIN B CHAIN (HUMAN).		
Homo sapiens mRNA for serum response factor-related protein, RSRRF2.		

TO FIG. D

FIG. 1D

TO FIG. 1C

198656 HEPATOCYTE GROWTH FACTOR-LIKE PROTEIN PRECURSOR (Homo sapiens)
62461 SMALL NUCLEAR RIBONUCLEOPROTEIN Particle N (SNRPN), contains MSR1 repetitive element.
155335 INTEGRIN ALPHA-3 (Homo sapiens)
41792 TUBULIN BETA-2 CHAIN (HUMAN);
Human estradiol 17 beta-dehydrogenase gene, complete cds. H.sapiens mRNA for cystathione-beta-synthase.
Homo sapiens of cardiac alpha-myosin heavy chain gene.
Human mRNA for thyroglobulin.
Human quanine nucleotide regulatory protein (ABR) mRNA, complete cds.
Human novel growth factor receptor mRNA, 3' cds.
142899 DNA-DIRECTED RNA POLYMERASE III LARGEST SUBUNIT (Plasmodium falciparum)
Human mRNA for collagen VI alpha-1 C-terminal globular domain.
Homo sapiens sodium channel type I, beta subunit (SCN1B) mRNA, complete cds.
50887 GUANINE NUCLEOTIDE DISSOCIATION STIMULATOR RALGDS (Mus musculus)
Human cytochrome P450 4F2 (CYP4F2) mRNA, complete cds.
Human MAGE-2 gene exons 1-4, complete cds.
H.sapiens mRNA for transforming growth factor alpha.
38251 H.sapiens HSJ1 mRNA.
p53
H.sapiens mRNA for intestine-specific annexin.
KERATIN, TYPE I CYTOSKELETAL 15 (HUMAN); contains MER20 repetitive element ;

FIG. 1E

Gene #	Intensity in EB 1	Intensity in EB 2	PM > MM in EB 1	PM > MM in EB 2	Induced EST # Ratio	EST #	Accession #	EST?	SAGE?
44	245	26.2	0.8	0.55	9	Hsa.35663	H24346 3' UTR 2a	✓	
45	245	19.6	0.9	0.5	12	Hsa.3189	U17280 gene 1		
46	239	47.6	0.9	1	5	Hsa.1915	L06419 gene 1	✓	
47	232	32.8	0.85	0.5	7	Hsa.33725	H04238 3' UTR 2a	✓	
48	225	-53.5	0.85	0.4		Hsa.693	L31409 gene 1		
49	222	18.7	0.94	0.71	12	Hsa.2835	X07696 gene 1	✓	
50	218	-0.125	1	0.38		Hsa.2072	Y00406 gene 1		
51	217	-28.8	0.9	0.43		Hsa.1159	R85613 3' UTR 1	✓	
52	215	-13.5	0.82	0.71		Hsa.19576	T98002 3' UTR 2a	✓	
53	212	-22.4	0.81	0.38		Hsa.407	M95167 gene 1		
54	210	39.5	1	0.8	5	Hsa.31500	R62945 3' UTR 2a	✓	
55	204	-2.31	0.86	0.43		Hsa.2625	Z18951 gene 1		
56	199	8.4	0.85	0.4		Hsa.3344	M74509 gene 1		
57	199	32	0.85	0.5		6Hsa.3893	R42765 3' UTR 2a	✓	
58	198	15.2	0.86	0.62	13	Hsa.2112	L07597 gene 1		
59	194	11.6	0.92	0.33	17	Hsa.1382	U06643 gene 1		✓
60	192	18.1	0.9	0.7	11	Hsa.2208	M67454 gene 1		
61	190	-12.6	0.9	0.45		Hsa.2729	V00511 gene 1		
62	189	-6.86	0.91	0.45		Hsa.2947	X54936 gene 1		
63	183	-20.9	1	0.5		Hsa.2947	X54936 gene 1		
64	182	20.9	0.94	0.76	9	Hsa.1870	M79463 gene 1		

TO FIG. IF

FIG. 1F

TO FIG. 1E

65	180	27.7	0.9	0.6	6 Hsa.36694	D25217 gene 1
66	178	-77.8	0.89	0.22	Hsa.772	M38451 gene 1
67	178	-39.7	0.9	0.38	Hsa.2402	L36069 gene 1
68	176	-249	0.85	0.35	Hsa.967	M33388 gene 1
69	175	-4.32	0.95	0.45	Hsa.837	M13755 gene 1
70	165	20.7	1	0.76	8 Hsa.37262	R84974 3' UTR 2a
71	165	30.1	0.95	0.7	5 Hsa.27577	R48578 3' UTR 2a
72	165	31.1	0.9	0.65	5 Hsa.25777	R62459 3' UTR 2a
73	163	25.6	0.8	0.7	6 Hsa.35954	H26960 3' UTR 2a
74	161	-10.4	0.9	0.5	Hsa.1842	M94547 gene 1
75	157	8.9	0.95	0.6	Hsa.218	T64470 3' UTR 1
76	154	26.3	0.76	0.62	6 Hsa.19553	T97948 3' UTR 2a
77	147	6.01	0.95	0.65	Hsa.1387	U14631 gene 1
78	141	15.1	0.85	0.7	9 Hsa.2823	L05072 gene 1
79	141	20	0.86	0.79	7 Hsa.2208	M67454 gene 1
80	141	3.08	0.95	0.65	Hsa.955	M32011 gene 1
81	140	10.1	1	0.48	14 Hsa.3279	U28249 gene 1
82	136	7.45	0.95	0.71	Hsa.9537	U28369 gene 1
83	132	6.17	0.81	0.48	Hsa.1846	M96980 gene 1
84	119	-8.34	0.88	0.76	Hsa.36766	H40980 3' UTR 2a
85	118	-6.81	0.8	0.6	Hsa.1221	T60155 3' UTR 1
86	117	12.3	0.9	0.6	10 Hsa.2826	X07876 gene 1

FIG. 1G

	Gene Description	Induced
52065	GROWTH ARREST AND DNA-DAMAGE-INDUCIBLE PROTEIN GADD45 (Homo sapiens)	
Human steroidogenic acute regulatory protein (StAR) mRNA, complete cds.		
LYSYL HYDROXYLASE (PLOD), (HUMAN)		
151767	FASL RECEPTOR PRECURSOR (Homo sapiens)	
Human sapiens creatine transporter mRNA, complete cds.		
KERATIN, TYPE I CYTOSKELETAL 15 (HUMAN); contains MER20 repetitive element ;		
Human mRNA for thyroperoxidase.		
275040	HEPATOCYTE GROWTH FACTOR-LIKE PROTEIN PRECURSOR (HUMAN);	
121731	CYTOCHROME P450 1V B1 (Rattus norvegicus)	
Human sapiens dopamine transporter (SLC6A3) mRNA, complete cds.		
139080	COMPLEMENT DEACY-ACCELERATING FACTOR 1 PRECURSOR (Homo sapiens)	
Human sapiens mRNA for caveolin.		
Human endogenous retrovirus type C oncavirus sequence.		
31481	TYROSINE-PROTEIN KINASE HCK (Homo sapiens)	
Human sapiens ribosomal protein S6 kinase 2 (RPS6KA2) mRNA, complete cds.		
Human keratinocyte lectin 14 (HKL-14) mRNA, complete cds.		
Human Fas antigen (fas) mRNA, complete cds.		
Human mRNA encoding pregastrin (a regulatory hormone of gastric acid secretin and growth of the gastrointestinal mucosa).		
Human sapiens mRNA for placenta growth factor (PIGF).		
Human sapiens mRNA for placenta growth factor (PIGF).		
Human PML-2 mRNA, complete CDS.		

TO FIG. 1H

FIG. 1H

TO FIG. 1G

Human mRNA (KIAA0027) for ORF, partial cds.
Human placenta-specific growth hormone mRNA, complete cds.
Human high conductance inward rectifier potassium channel alpha subunit mRNA, complete cds.
Human cytochrome P450 IID6 (CYP2D6) gene, complete cds.
INTERFERON-INDUCED 17 KD/15 KD PROTEIN (HUMAN)
180447 FIBROBLAST GROWTH FACTOR RECEPTOR 3 PRECURSOR (Homo sapiens)
153585 EBNA-2 NUCLEAR PROTEIN (Epstein-barr virus)
36678 TROPONIN C, ISOFORM 2 (Balanus nubilis)
182125 HDL-BINDING PROTEIN
HUMMLC2At; Homo sapiens: 593 base-pairs
80486 LIVER CARBOXYLESTERASE PRECURSOR (HUMAN);
121916 NEUTRAL CALPONIN, SMOOTH MUSCLE (<i>Sus scrofa</i>)
Human 11 beta-hydroxysteroid dehydrogenase type II mRNA, complete cds.
Homo sapiens interferon regulatory factor 1 gene, complete cds.
Human Fas antigen (fas) mRNA, complete cds.
NEUTROPHIL OXIDASE FACTOR (p67 PHOX) (HUMAN)
Human 11kd protein mRNA, complete cds.
Human semaphorin V mRNA, complete cds.
MYELIN TRANSCRIPTION FACTOR 1 (HUMAN);
175991 NEURONAL CALCIUM SENSOR 1 (<i>Rattus norvegicus</i>)
81422 HUMAN SMOOTH MUSCLE ALPHA-ACTIN (AORTIC TYPE)
Human mRNA for irp protein (int-1 related protein).

FIG. 11

Gene #	Intensity in EB 1	Intensity in EB	PM > MM in EB 1	PM > MM in EB	Induced EST Ratio	EST #	Accession #	EST?	SAGE?
87	117	1.9	0.92	0.5	Hsa.2208	M67454 gene 1		□	□
88	107	-21.3	0.8	0.45	Hsa.1881	M14083 gene 1		□	□
89	107	-0.81	0.8	0.55	Hsa.22529	R37128 3' UTR 2a	☒	□	□
90	106	0.0333	1	0.5	Hsa.10171	R70008 3' UTR 2a	☒	□	□
91	105	8.36	0.85	0.7	Hsa.2325	U14747 gene 1		□	□
92	105	-6.04	0.9	0.38	Hsa.2980	X77737 gene 1		□	□
93	104	14.7	0.9	0.7	7 Hsa.2131	L25541 gene 1		□	□
94	103	-168	0.87	0.47	Hsa.967	M33388 gene 1		□	□
95	89	-5.05	0.9	0.6	Hsa.1497	M75126		□	□
96	85.9	6.79	0.81	0.57	Hsa.2013	Z12020 gene 1		□	□
97	84.6	11.9	0.9	0.65	7 Hsa.101	D12620 gene 1		□	□
98	82.8	2.73	0.95	0.5	Hsa.1984	J05200 gene 1	☒	□	□
99	81.5	11.1	0.85	0.65	7 Hsa.27854	R51856 3' UTR 2a	☒	□	□
100	79.9	-0.934	0.9	0.45	Hsa.20474	R01072 3' UTR 2a	☒	□	□

FIG. 1J

Gene Description	Induced
Human Fas antigen (fas) mRNA, complete cds.	
Human beta-migrating plasminogen activator inhibitor 1 mRNA, 3' end.	
26063 COMPLEMENT C4 PRECURSOR (Homo sapiens)	
142450 VASCULAR ENDOTHELIAL GROWTH FACTOR PRECURSOR (Rattus norvegicus)	
Human visinin-like peptide 1 homolog mRNA, complete cds.	
H.sapiens mRNA for red cell anion exchanger (EPB3, AE1, Band 3) 3' non-coding region.	
Human laminin S B3 chain (LAMB3) mRNA, complete cds	
Human cytochrome P450 IID6 (CYP2D6) gene, complete cds.	
Human hexokinase 1 (HK1) mRNA, complete cds.	
Human mRNA for the MDM2 gene.	
Human mRNA for cytochrome P-450LTBV.	
RYANODINE RECEPTOR, SKELETAL MUSCLE (HUMAN);	
39052 POTASSIUM CHANNEL PROTEIN EAG (Drosophila melanogaster)	
124416 SERINE THREONINE-PROTEIN KINASE COT-1 (Neurospora crassa)	

FIG. 2A

Gene #	Intensity in EB 1	Intensity in EB 2	PM > MM in EB 1	PM > MM in EB 2	Ratio	EST #	Accession #	Repressed	EST?	SAGE?
1	400	2750	0.95	1	6.9	Hsa.1137	T57686 3' UTR 1	✓	✓	✓
2	323	2600	0.75	1	8.04	Hsa.10770	T76971 3' UTR 1	□	✓	✓
3	411	2300	1	1	5.59	Hsa.1047	R84411 3' UTR 1	✓	✓	✓
4	261	2010	0.75	0.85	7.7	Hsa.2715	H77597 3' UTR 1	□	✓	✓
5	156	1970	0.95	1	12.7	Hsa.14842	T90759 3' UTR 2a	✓	✓	✓
6	303	1770	1	1	5.83	Hsa.18397	R81812 3' UTR 2a	✓	✓	✓
7	209	1580	0.85	1	7.57	Hsa.1311	R91912 3' UTR 1	✓	□	✓
8	311	1570	0.95	1	5.05	Hsa.1205	R08183 3' UTR 1	✓	□	✓
9	245	1460	0.95	1	5.95	Hsa.2806	X77956 gene 1	□	✓	✓
10	253	1450	0.75	0.95	5.75	Hsa.11673	H23544 3' UTR 2a	✓	□	✓
11	246	1410	0.9	1	5.73	Hsa.1190	T74556 3' UTR 1	✓	□	✓
12	62	1350	0.9	1	21.8	Hsa.1505	M12623 gene 1	□	✓	✓
13	201	1170	0.8	1	5.84	Hsa.1896	J04173 gene 1	✓	□	✓
14	178	1110	0.9	1	6.23	Hsa.122	D14696 gene 1	□	✓	✓
15	176	1100	0.9	1	6.24	Hsa.17649	T87527 3' UTR 2a	✓	□	✓
16	183	1060	0.9	1	5.8	Hsa.1013	T61661 3' UTR 1	✓	□	✓
17	102	1030	0.7	0.95	10.1	Hsa.1401	R02151 3' UTR 1	✓	□	✓
18	120	1020	0.9	1	8.48	Hsa.18401	R23889 3' UTR 2a	✓	□	✓
19	96.4	999	0.85	1	10.4	Hsa.1676	H73758 3' UTR 1	✓	□	✓
20	146	876	0.85	1	5.99	Hsa.1617	D43950 gene 1	□	✓	✓
21	3.17	867	0.5	0.95	Hsa.115	D14657 gene 1	□	□	✓	✓

TO FIG. 2B

FIG. 2B

TO FIG. 2A

22	154	804	0.7	0.95	5.22	Hsa.12893	H49652 3' UTR 2a	✓	□	□	□	□
23	105	632	0.95	1	6.04	Hsa.1043	M29065 gene 1	□	□	□	□	□
24	64.5	602	0.75	0.8	9.34	Hsa.448	H09351 3' UTR 1	✓	□	□	□	□
25	61.4	556	0.6	1	9.05	Hsa.6472	T56604 3' UTR 2a	✓	✓	✓	✓	✓
26	48.7	525	0.7	1	10.8	Hsa.1778	J04977 gene 1	□	□	□	□	□
27	26.4	495	0.65	0.9	18.8	Hsa.2965	Y00705 gene 1	□	□	□	□	□
28	37.3	491	0.75	0.95	13.2	Hsa.1422	M13450 gene 1	□	□	□	□	□
29	93.9	487	0.85	1	5.19	Hsa.1046	H29485 3' UTR 1	✓	□	□	□	□
30	93.6	486	0.85	0.95	5.2	Hsa.3037	X74104 gene 1	□	□	□	□	□
31	57.1	468	0.7	0.85	8.19	Hsa.10011	R06239 3' UTR 2a	✓	□	□	□	□
32	84.5	456	0.85	0.95	5.4	Hsa.347	D16111 gene 1	□	□	□	□	□
33	66	444	0.71	1	6.73	Hsa.9937	T94834 3' UTR 2a	✓	□	□	□	□
34	54.8	423	0.76	0.86	7.72	Hsa.3253	U14603 gene 1	□	□	□	□	□
35	26.7	414	0.8	1	15.5	Hsa.1786	L25941 gene 1	□	□	□	□	□
36	48.4	403	0.8	1	8.31	Hsa.14831	H29320 3' UTR 2a	✓	□	□	□	□
37	45.8	400	0.8	0.85	8.74	Hsa.1606	X64330 gene 1	□	□	□	□	□
38	62	395	0.9	0.95	6.37	Hsa.116	D14658 gene 1	□	□	□	□	□
39	62.4	391	0.86	0.86	6.27	Hsa.3318	H65116 3' UTR 1	✓	□	□	□	□
40	4.31	364	0.55	0.95	Hsa.13508	R37660 3' UTR 2a	✓	□	□	□	□	□
41	66.9	351	0.8	1	5.25	Hsa.2959	X74330 gene 1	□	□	□	□	□
42	12.1	327	0.52	0.9	27	Hsa.1343	M13665 gene 1	□	□	□	□	□
43	44.4	313	0.59	0.88	7.05	Hsa.2459	U10116 gene 1	□	□	□	□	□

FIG. 2C

	Gene Description	Repressed
79398	TUBULIN ALPHA-1 CHAIN (HUMAN)	
113739	H.sapiens mRNA for metallothionein (HUMAN);	
194660	SMALL NUCLEAR RIBONUCLEOPROTEIN ASSOCIATED PROTEINS B AND B' (HUMAN);	
214162	H.sapiens mRNA for metallothionein (HUMAN);	
111435	TUBULIN ALPHA-1 CHAIN (Gallus gallus)	
	HUMAN mRNA FOR ADENOCARCINOMA-ASSOCIATED ANTIGEN (KSA), or GA733-2	
196105	PLACENTAL CALCIUM-BINDING PROTEIN (HUMAN);	
127228	HEAT SHOCK PROTEIN, CHAPERONIN 10, or GroES; MITOCHONDRIAL ; H.sapiens Id1 mRNA.	
51894	GTP-BINDING NUCLEAR PROTEIN RAN (Homo sapiens)	
84680	ATP SYNTHASE ALPHA CHAIN, MITOCHONDRIAL PRECURSOR (HUMAN); Human non-histone chromosomal protein HMG-17 mRNA, complete cds.	
	PHOSPHOGLYCERATE MUTASE, BRAIN FORM (HUMAN).	
	Human mRNA (KIAA0108) for ORF (complete cds) and HepG2 mRNA identical sequence.	
115413	HEAT SHOCK PROTEIN HSP 84 (Mus musculus).	
78161	PROFLIN 1 (HUMAN)	
124693	RAT mRNA for PROTEASOME SUBUNIT RC10-II, or HUMAN PROTEASOME SUBUNIT HSC10-II.	
131036	TRANSFERRIN RECEPTOR PROTEIN (Homo sapiens)	
214923	PSORIASIS-ASSOCIATED FATTY ACID BINDING PROTEIN HOMOLOG (HUMAN); Human mRNA (KIAA0098) for ORF (human counterpart of mouse chaperonin containing TCP-1 gene), partial cds.	
	Human mRNA for ORF(KIAA0101), complete cds.	

TO FIG. 2D

FIG. 2D

TO FIG. 2C

274422 ATPASE INHIBITOR, MITOCHONDRIAL (BOVIN).
Human hnRNP A2 protein mRNA.
46019 MCM3 HOMOLOG (HUMAN).
73143 TUBULIN BETA-1 CHAIN (<i>Haliotis discus</i>)
Human Ku autoimmune antigen gene, complete cds.
Homo sapiens <i>pstI</i> mRNA for pancreatic secretory inhibitor (expressed in neoplastic tissue).
Human esterase D mRNA, 3'end.
49970 LUPUS LA PROTEIN (HUMAN);..
H.sapiens mRNA for TRAP beta subunit.
125446 TRANSCRIPTION INITIATION FACTOR TFIID (Homo sapiens)
Human mRNA for human homologue of rat phosphatidylethanolamine binding protein, complete cds.
120041 HLA-DR ASSOC. PROTEIN I, P31 (also called Ii, In, M1, Dr gamma, XM 1) (Homo sapiens)
Human protein-tyrosine phosphatase (HU-PP-1) mRNA, partial sequence.
Homo sapiens integral nuclear envelope inner membrane protein (LBR) gene, complete cds.
52626 HYPOTHETICAL GTP-BINDING PROTEIN IN PM140-PAC2 INTERGENIC REGION (Saccharomyces cerevisiae)
H.sapiens mRNA for ATP-citrate lyase.
Human mRNA for ORF (KIAA0102), complete cds.
238612 Human bumetanide-sensitive Na-K-Cl cotransporter (NKCC1 or BSC2) mRNA, complete cds.
26573 STATHMIN (Homo sapiens)
H.sapiens mRNA for DNA primase (subunit p48).
Human c-myb mRNA, 3'end.
Human superoxide dismutase (SOD3 or EC-SOD) gene, complete cds.

FIG. 2E

Gene #	Intensity in EB 1	Intensity in EB 1	Repressed			EST?	SAGE?
			PM > MM in EB 1	PM > MM in EB 1	EST. #		
44	47.1	303	0.75	1	6.44 Hsa.1511	V00530 gene 1	
45	52.4	299	0.8	0.95	5.7 Hsa.1067	J04543 gene 1	
46	50.1	296	0.75	1	5.91 Hsa.1877	M88108 gene 1	
47	55.1	294	0.71	0.9	5.33 Hsa.421	D16294 gene 1	
48	38.8	290	0.7	0.95	7.48 Hsa.1583	D42084 gene 1	
49	-49.3	287	0.62	0.86	Hsa.1625	H59259 3' UTR 1	✓
50	54.3	280	0.76	1	5.16 Hsa.3075	X78627 gene 1	
51	43.1	271	0.7	0.95	6.3 Hsa.18494	T93518 3' UTR 2a	✓
52	19.9	264	0.55	0.85	13.3 Hsa.1573	D42041 gene 1	
53	46.5	262	0.65	0.94	5.64 Hsa.2490	D21262 gene 1	
54	22.1	261	0.67	0.9	11.8 Hsa.1595	L32866 gene 1	
55	26.1	253	0.76	0.95	9.67 Hsa.1816	T91855 3' UTR 1	✓
56	10.2	251	0.65	0.8	24.6 Hsa.1490	R56440 3' UTR 1	✓
57	29.9	250	0.65	0.95	8.34 Hsa.9856	R60195 3' UTR 2a	✓
58	10.4	248	0.65	1	23.9 Hsa.150	L10678 gene 1	✓
59	40.2	245	0.95	0.85	6.09 Hsa.7048	R56401 3' UTR 2a	✓
60	6.69	242	0.57	0.95	Hsa.1315	D13639 gene 1	
61	41.2	234	0.65	0.95	5.7 Hsa.21993	R12588 3' UTR 2a	✓
62	43.4	234	0.65	0.8	5.38 Hsa.970	M77836 gene 1	✓
63	22.2	211	0.8	0.95	9.51 Hsa.17935	H01943 3' UTR 2a	✓
64	26.6	206	0.57	0.95	7.73 Hsa.10122	T52362 3' UTR 2a	✓
65	27.1	195	0.8	0.85	7.2 Hsa.654	L33930 gene 1	

TO FIG. 2F

FIG. 2F

TO FIG. 2E

66	27.2	195	0.7	0.9	7.18	Hsa.10779	X87212 gene 1		
67	17	190	0.7	0.95	11.2	Hsa.1815	L31801 gene 1		
68	-4.22	189	0.6	0.8		Hsa.3091	T49870 3' UTR 1	☒	
69	28.1	187	0.5	0.8	6.65	Hsa.462	U09564 gene 1		
70	5.53	186	0.8	0.9		Hsa.42520	H64001 3' UTR 2a	☒	
71	21.6	175	0.6	0.8	8.09	Hsa.1460	M20867 gene 1		
72	31.8	173	0.6	0.85	5.45	Hsa.14771	T70251 3' UTR 2a	☒	
73	20.3	171	0.76	0.86	8.41	Hsa.9868	T50501 3' UTR 2a	☒	
74	31.5	169	0.7	1	5.36	Hsa.2892	X76029 gene 1		
75	17.7	168	0.67	0.9	9.49	Hsa.1361	M14219 gene 1		
76	14.5	166	0.75	1	11.5	Hsa.12976	X74987 gene 1		
77	27	164	0.55	0.9	6.06	Hsa.2485	D14694 gene 1		
78	-8.48	159	0.37	0.84		Hsa.234	L19183 gene 1		
79	30.9	157	0.8	0.9	5.09	Hsa.1242	T55008 3' UTR 1	☒	
80	15.8	147	0.7	0.95	9.33	Hsa.25724	R46716 3' UTR 2a	☒	
81	28.6	145	0.7	0.85	5.07	Hsa.38007	R88418 3' UTR 2a	☒	
82	28.5	145	0.65	0.9	5.09	Hsa.1780	R09502 3' UTR 1	☒	
83	23	145	0.7	0.95	6.29	Hsa.1615	D43948 gene 1		
84	20.8	142	0.85	0.95	6.82	Hsa.13795	H00297 3' UTR 2a	☒	
85	7.23	141	0.55	0.8		Hsa.1665	L23959 gene 1		
86	24.6	140	0.67	1	5.67	Hsa.928	M22538 gene 1	☒	

FIG. 2G

	Gene Description	Repressed
Human mRNA encoding IMP:pyrophosphate phosphoribosyltransferase E.C. 2.4.2.8.		
Human synexin mRNA, complete cds.		
Human p62 mRNA, complete cds.		
Human mRNA for mitochondrial 3-oxoacyl-CoA thiolase, complete cds.		
Human mRNA (KIAA0094) for ORF (yeast methionine aminopeptidase-related), partial cds.		
204299 REPLICATION PROTEIN A 14 KD SUBUNIT (HUMAN); H.sapiens mRNA for translin.		
117708 MYOSIN HEAVY CHAIN, CLONE 203 (Hydra attenuata)		
Human mRNA (KIAA0088) for ORF (alpha-glucosidase-related), partial cds.		
Human mRNA (KIAA0035) for ORF (rat 140kd nucleolar phosphoprotein homologue), partial cds.		
Human effector cell protease receptor-1 (EPR-1) gene, partial cds.		
112020 C-1-TETRAHYDROFOLATE SYNTHASE, CYTOPLASMIC (HUMAN);		
40874 TUBULIN GAMMA CHAIN (HUMAN);		
42829 EUKARYOTIC INITIATION FACTOR 4B (Homo sapiens) PROFIIN II (HUMAN);		
40753 RAN-SPECIFIC GTPASE-ACTIVATING PROTEIN, RanGAP (Homo sapiens)		
Human mRNA for ORF (KIAK0002), or HUMAN D-TYPE CYCLIN complete cds.		
128385 HAMSTER RNA FOR CYCLIN B2 (mesocricetus auratus)		
PYRROLINE-5-CARBOXYLATE REDUCTASE (HUMAN);		
150169 EUKARYOTIC INITIATION FACTOR 4E (Homo sapiens)		
72050 NUCLEOTIDE-SENSITIVE CHLORIDE CHANNEL (Canis familiaris), or HUMAN CHLORIDE CHANNEL REGULATORY PROTEIN mRNA		

TO FIG. 2H

FIG. 2H

TO FIG. 2G

Homo sapiens CD24 signal transducer mRNA, complete cds and 3' region.
H.sapiens mRNA for cathepsin C (dipeptidyl peptidase I).
Homo sapiens monocarboxylate transporter 1 (SLC16A1) mRNA, complete cds.
68690 U1 SMALL NUCLEAR RIBONUCLEOPROTEIN A (HUMAN).
Human serine kinase (SRPK1) mRNA, complete cds.
209484 CD9 ANTIGEN (Bos taurus), or HUMAN T245 PROTEIN
Human glutamate dehydrogenase (GDH) mRNA, complete cds.
109334 NEGATIVE REGULATOR OF MITOSIS (Emericella nidulans)
77138 EUKARYOTIC INITIATION FACTOR 1A (Sac cerevisiae), or HUMAN PROTEIN SYNTHESIS FACTOR 4C(eIF-4C)
H.sapiens mRNA for neuromedin U.
Human chondroitin/dermatan sulfate proteoglycan (PG40) core protein mRNA, complete cds.
H.sapiens mRNA for 2'-5' oligoadenylate binding protein.
Human mRNA (KIAA0024) for ORF (putative human counterpart of chinese hamster phosphatidylserine synthase gene), complete cds.
Human MAC30 mRNA, 3' end.
74167 APOLIPOPROTEIN A-II PRECURSOR (HUMAN).
36504 GTPASE ACTIVATING PROTEIN ROTUND (<i>Drosophila melanogaster</i>)
166353 CLEAVAGE STIMULATION FACTOR, 50 KD SUBUNIT (Homo sapiens)
127707 LAMININ BETA-1 CHAIN PRECURSOR (HUMAN);
Human mRNA (KIAA0097) for ORF (novel protein), complete cds.
149556 O-ANTIGEN POLYMERASE (<i>Shigella flexneri</i>)
Homo sapiens E2F-related transcription factor (DP-1) mRNA, complete cds.
NADH-UBIQUINONE DEHYDROGENASE 24 KD SUBUNIT PRECURSOR (HUMAN);

FIG. 21

Gene #	Intensity in EB 1	Intensity in EB 2	PM > MM in EB 1	PM > MM in EB 2	Repressed EST Ratio	EST #	Accession #	EST?	SAGE?	
87	27.1	139	0.8	0.9	5.14	Hsa.1811	M37510 gene 1	□	□	
88	17.2	137	0.4	0.9	7.95	Hsa.6633	R61359 3'UTR 2a	✓	□	
89	20.8	136	0.4	0.9	6.55	Hsa.13172	T73788 3'UTR 2a	✓	□	
90	19.7	135	0.65	0.85	6.85	Hsa.1423	J04102 gene 1	□	□	
91	18.1	134	0.57	0.9	7.41	Hsa.13967	T66747 3' UTR 2a	✓	□	
92	19.2	134	0.7	1	6.96	Hsa.1245	M21154 gene 1	✓	□	
93	7.16	132	0.71	1	Hsa.13508	R37660 3'UTR 2a	✓	□	□	
94	-0.0563	130	0.65	0.85	Hsa.28663	H10045 3'UTR 2a	✓	□	□	
95	6.27	129	0.55	0.95	Hsa.1200	D38553 gene 1	□	□	□	
96	8.89	128	0.67	0.9	Hsa.2070	J04088 gene 1	□	□	□	
97	1.42	124	0.7	0.9	Hsa.45678	H88978 3'UTR 2a	□	□	□	
98	13.2	123	0.45	0.9	9.27	Hsa.18077	H02009 3' UTR 2a	✓	□	□
99	12.3	121	0.62	0.95	9.84	Hsa.1219	M16827 gene 1	□	□	□
100	10.9	119	0.5	0.9	11	Hsa.1952	T96666 3'UTR 1	✓	□	□

FIG. 2J

	Gene Description	Repressed
	Human methylmalonyl CoA mutase (MUT) gene, exon 13.	
37866	BASIGIN PRECURSOR (<i>Gallus gallus</i>)	
84443	GA BINDING PROTEIN BETA-1 CHAIN (<i>Homo sapiens</i>)	
	Human erythroblastosis virus oncogene homolog 2 (ets-2) mRNA, complete cds.	
53193	26S PROTEASE REGULATORY SUBUNIT 6 (<i>Homo sapiens</i>)	
	S-ADENOSYLMETHIONINE DECARBOXYLASE PROENZYME (<i>HUMAN</i>):	
26573	STATHMIN (<i>Homo sapiens</i>)	
46827	VAV ONCOGENE (<i>Homo sapiens</i>)	
	Human mRNA (KIAA0074) for ORF (yeast C728 protein-related), partial cds.	
	Human DNA topoisomerase II gene (top2), gene 1	
	<i>Homo sapiens</i> cDNA clone 2531386 3'	
151010	EUKARYOTIC PEPTIDE CHAIN RELEASE FACTOR SUBUNIT 1 (<i>Homo sapiens</i>)	
	Human medium-chain acyl-CoA dehydrogenase (ACADM) mRNA, complete cds.	
121357	A49436 CD1=CYCLIN-DEPENDENT KINASE INTERACTOR 1 - ;	